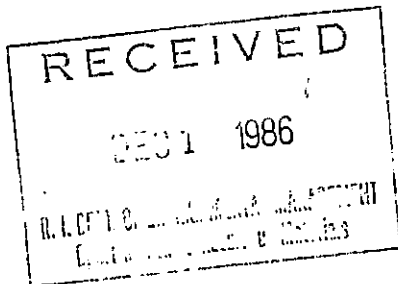


32



To: Thomas Epstein
Please Review. I will
call you during the
week of 12/1/86 for
your comments and

PROPOSAL FOR CERTIFICATION OF CLOSURE AT
CIBA-GEIGY CORP.
CRANSTON, RHODE ISLAND

schedule.

Jim Crowley
November 26, 1986

Submitted to:

CIBA-GEIGY Corp.
Cranston, Rhode Island

RCRA RECORDS CENTER
FACILITY Ciba Geigy Corp
ID. NO. RI0001494323
FILE LOC. R-13
OTHER _____

Jim,
make sure the
employees address
and their closure
plan in their
present.
R

O.H. Materials Corp.

Jeffrey R. Gillis
Jeffrey R. Gillis
Project Director

November 18, 1986
Project File No. 3420



SEMS DocID 667534

TABLE OF CONTENTS

- 1.0 Introduction
- 2.0 Cleaning Process
 - 2.1 T-1 and #022 Tanks
 - 2.2 Drum Storage Area
- 3.0 Proposal to Complete Closure in Accordance with the CIBA-GEIGY RCRA Part B Permit Application

1.0 INTRODUCTION

O.H. Materials Corp. (OHM) has been contracted by CIBA-GEIGY Corp. to perform plant remediation at the Cranston, Rhode Island facility. The following proposal for Certification of Closure is designed to address the cleaning methodologies utilized and includes a proposal to complete the closure.

2.0 CLEANING METHODS

2.1 T-1 AND NO. 022 TANKS

OHM performed a six-step cleaning process on the T-1 and No. 002 tanks. The process consisted of the following:

- o Mechanical removal of approximately 2,500 gallons of liquid material. (1,600 gallons previously contained in T-1 and an additional 900 gallons transferred from No. 022 tank to the T-1 tank)
- o Manual removal of 2,100 gallons of sludge (1,700 gallons from T-1 and 400 gallons from No. 022)
- o Manual scraping of interior tank walls
- o Three passes with 15-percent pen. tone/ water mixture using the 9,000 ps high pressure laser
- o Mechanical collection via vacuum equipment of washwater
- o Hand wiping of interior tank walls

2.2 DRUM STORAGE AREA

OHM performed a four-step cleaning process on the drum storage area. The process consisted of the following:

- o Removal and disposal of all drums
- o Sweep area to remove debris, excess sand, etc.
- o One pass cleaning with 15-percent penetone/ steam rinse using the 2,000 psi steam generator
- o Mechanical collection via vacuum equipment of washwater. Sampling of washwater for on-site treatability

3.0 PROPOSAL TO COMPLETE CLOSURE

In order to properly complete the closure of the facility, it is proposed that the following activities be performed to complete this task.

- o Visual Inspection - Once the storage tanks and/or drums have been removed from their present locations, a visual inspection of the drum storage area and tank support pads can be instituted. This inspection will allow observers to detect any penetration or degradation of the concrete or asphalt pads.
- o Steam Cleaning - using the 2,000 psi steam jenny, all surface areas of the drum storage area and tank support pads will be washed to remove any potential non-visible surface contamination. Washwater will be collected and analyzed for treatability on site.
- o If evidence of ground contamination is encountered, removal of the affected area will be undertaken and any contaminated debris analyzed for offsite disposal.